

## What is claimed is:

1. An angle-measurement assist device comprising:  
 a holder having a first flat face thereof adapted to be  
 in contact with a measurement object portion of a measurement  
 5 object, the measurement object portion being subject to an angle  
 measurement and made of a magnetic material;

a permanent magnet mounted to said holder for permitting  
 said device to be magnetically retained on the measurement  
 object portion; and

10 a straight member projecting from a second face of said  
 holder and having a size sufficiently greater than that of the  
 measurement object portion.

2. The angle-measurement assist device according to  
 claim 1, wherein said straight member extends in parallel with  
 15 the first flat face of said holder.

3. The angle-measurement assist device according to  
 claim 2, wherein the measurement object is a dental scaler  
 having a handle adapted to be grasped by an operator and a shank  
 extending therefrom and having a distal end portion thereof  
 20 formed with a bladed portion which constitutes the measurement  
 object portion.

4. The angle-measurement assist device according to  
 claim 1, further comprising:

a second straight member projecting from a third face of  
 25 said holder which is different from or the same as the second  
 face of said holder,

wherein said second straight member has a size  
 sufficiently greater than that of the measurement object  
 portion.

30 5. The angle-measurement assist device according to  
 claim 1, further comprising:

second and third straight members each projecting from  
 a third face of said holder which is different from or the same

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as the second face of said holder,

wherein each of said second and third straight members has a size sufficiently greater than that of the measurement object portion.

5 6. An angle measurement device comprising:

an angle-measurement assist device including: a holder having a first flat face thereof adapted to be in contact with a measurement object portion of a measurement object, the measurement object portion being subject to an angle  
10 measurement, made of a magnetic material, and provided in a distal end portion of a shank of the measurement object which extends from a main body of the shank at a shank angle; a permanent magnet mounted to said holder for permitting said angle-measurement assist device to be magnetically retained on  
15 the measurement object portion; and a straight member projecting from a second face of said holder and having a size sufficiently greater than that of the measurement object portion; and

a scale plate having a central portion thereof formed with  
20 a hole permitting the distal end portion of the shank to pass therethrough and being provided with a first scale indicative of a target positioning angle for the main body of the shank and a second scale indicative of a target angle of the measurement object portion which is to be established when the  
25 main body of the shank is positioned at the first scale.

7. The angle measurement device according to claim 6, further including:

a base plate for supporting said scale plate in a state that said scale plate vertically extends from said base plate.

30 8. An angle measurement device comprising:

an angle-measurement assist device including: a holder having a first flat face thereof adapted to be in contact with a measurement object portion of a measurement object, the

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measurement object portion being subject to an angle measurement, made of a magnetic material, and provided in a distal end portion of a shank of the measurement object which extends from a main body of the shank at a shank angle; a  
 5 permanent magnet mounted to said holder for permitting said angle-measurement assist device to be magnetically retained on the measurement object portion; and a straight member projecting from a second face of said holder and having a size sufficiently greater than that of the measurement object  
 10 portion;

a base plate being provided with a first scale indicative of a target positioning angle for the main body of the shank and a second scale indicative of a target angle of the measurement object portion which is to be established when the  
 15 main body of the shank is positioned at the first scale.

9. The angle measurement device according to claim 8, wherein first and second lines serving as the first and second scales are drawn on said base plate.

10. The angle measurement device according to claim 8, further including a scale plate provided with the first and second scales and adapted to be disposed on said base plate.  
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11. An angle measurement device comprising:

an angle-measurement assist device including: a holder having a first flat face thereof adapted to be in contact with  
 25 a measurement object portion of a measurement object, the measurement object portion being subject to an angle measurement, made of a magnetic material, and provided in a distal end portion of a shank of the measurement object which extends from a main body of the shank at a shank angle; a  
 30 permanent magnet mounted to said holder for permitting said angle-measurement assist device to be magnetically retained on the measurement object portion; and a straight member projecting from a second face of said holder and having a size

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sufficiently greater than that of the measurement object portion;

5 a base plate being provided with a scale indicative of a target positioning angle for the main body of the shank and angle graduations.

12. The angle measurement device according to claim 11, wherein a rod member is disposed on said base plate so as to be pivotable around one end of said rod member.

10 13. The angle measurement device according to claim 12, wherein an arcuate member is fixed on said base plate, and another end of said rod member moves along said arcuate member as said rod member is pivoted.

14. A manually-operated sharpening apparatus comprising:

15 a sharpening section including: a base plate having a substantially flat face; a sharpening member for sharpening a workpiece portion of a workpiece, the workpiece portion to be sharpened being made of a magnetic material and provided in a distal end portion of a shank of the workpiece extending from  
20 a main body of the shank at a shank angle; a guide member, fixed on the substantially flat face of said base plate, for guiding said sharpening member attached thereto so as to permit the sharpening member to move therealong; a positioning-assist element including a positioning line drawn on the substantially  
25 flat face of said base plate and extending at a predetermined angle with respect to said guide member, for permitting an operator to orient the workpiece in a state where the predetermined angle is formed between the workpiece portion and the sharpening member;

30 an angle-measurement assist device includes: a holder having a first flat face thereof adapted to be in contact with the workpiece portion to be subject to an angle measurement; a permanent magnet mounted to said holder for permitting said

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angle-measurement assist device to be magnetically retained on the workpiece portion; and a straight member projecting from a second face of said holder and having a size sufficiently greater than that of the workpiece portion; and

5 a scale plate having a central portion thereof formed with a hole permitting the distal end portion of the shank to pass therethrough, and being provided with a first scale indicative of a target positioning angle for the main body of the shank and a second scale indicative of a target angle of the measurement object portion which is to be established when the main body of the shank is positioned at the first scale.

15. A manually-operated sharpening apparatus comprising:

a sharpening section including: a base plate having a substantially flat face; a sharpening member for sharpening a workpiece portion of a workpiece, the workpiece portion to be sharpened being made of a magnetic material and provided in a distal end portion of a shank of the workpiece extending from a main body of the shank at a shank angle; a guide member, fixed on the substantially flat face of said base plate, for guiding said sharpening member attached thereto so as to permit the sharpening member to move therealong; a positioning-assist element including a positioning line drawn on the substantially flat face of said base plate and extending at a predetermined angle with respect to the guide member, for permitting an operator to orient the workpiece in a state where the predetermined angle is formed between the workpiece portion and the sharpening member; and

an angle-measurement assist device including: a holder having a first flat face thereof adapted to be in contact with the workpiece portion to be subject to an angle measurement; a permanent magnet mounted to said holder for permitting said angle-measurement assist device to be magnetically retained on

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the workpiece portion; and a straight member projecting from a second face of said holder and having a size sufficiently greater than that of the workpiece portion.

16. The manually-operated sharpening apparatus  
5 according to claim 15, wherein said guide member is formed on the flat face of said base plate integrally therewith.

17. The manually-operated sharpening apparatus  
according to claim 15, wherein said guide member is disposed on the flat face of said base plate so as to be pivotable around  
10 one end of said guide member, and is adapted to be fixed at an arbitrary pivotal angular position.

18. The manually-operated sharpening apparatus  
according to claim 17, further including:

an arcuate member fixed to the flat face of said base  
15 plate,

wherein another end of said guide member moves along said arcuate member as the guide member is pivoted.

19. The manually-operated sharpening apparatus  
according to claim 18, wherein the flat face of said base plate  
20 is provided with angle gradations around said arcuate member.

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